

# ENGINEERING DEVELOPMENT SERVICES

## General Notes for Utility Construction



- A. All construction shall conform to the City EDS&PM, City Standard Details, City policies and Ordinances, and current MAG Uniform Standard Specifications and Details for Public Works Construction.
- B. An approved set of plans and permits shall be available on the job site at all times.
- C. A pre-construction meeting with the City inspector is required prior to construction. Valid and complete Blue-stake markings shall be visible at the time of the meeting. The contractor shall contact BLUE STAKE (602-263-1100) and maintain number on-site.
- D. The City shall be notified 48-hours prior to any construction work or inspection (623-882-7979). Construction work concealed without inspection by the City shall be subject to exposure at the contractor's expense.
- E. This set of plans has been reviewed for compliance with City requirements prior to issuance of construction permits. However, such review shall not prevent the City from requiring correction of errors in plans found to be in violation of any law or ordinance or re-submittal of plans if they do not represent actual site conditions. The City does not warrant any quantities shown on these plans.
- F. Documentation of existing damaged items shall be delivered to the City Inspector prior to starting construction. Unless documented and reported to the City prior to the start of construction, all damaged property within and adjacent to the limits of work shall be repaired/replaced by the contractor at the request of the City. The permit holder shall provide a written schedule for completion of repairs.
- G. The contractor shall barricade construction sites at all times per the City of Phoenix Traffic Barricade Manual.
- H. Traffic control plans shall be submitted for approval in advance of construction. The approved traffic control plan and permit shall be available at the work site at all times. A uniformed officer is required when within 300' of a signalized intersection. A certified flagman shall be provided at any access to a public roadway when minimum site distances per COG Detail G-3232 are obstructed by construction operations.
- I. The developer/purveyor is responsible for the removal or relocation of all obstructions within the right-of-way prior to starting new construction. Abandoned facilities in direct physical conflict with City Improvements shall be removed by the Utility Company upon the City's advance written notice. Utility owners shall retain perpetual ownership and facility records of all abandoned in place facilities within the City's rights-of-way and easements and shall locate abandoned facilities in accordance with Arizona Blue Stake Laws and any applicable State Laws.
- J. Contractor is required to coordinate any landscape irrigation and plant removals and/or replacement with the property owner and the City inspector. Landscape shall be restored to original condition or better. Any damage to an irrigation system shall be repaired within 48 hours. The City may require landscape plans be submitted for review and approval prior to start of construction. Property owners shall be notified 24 hours in advance of construction. All landscape shall be pressure tested and witnessed by the City Engineering Inspector. Call Engineering Inspections to schedule a pressure test.
- K. Asphalt cuts are strictly prohibited, unless an open cut has been specifically approved on the plans. All street crossings, driveways, sidewalks and other structures as directed shall be bored using horizontal directional drilling, unless an alternate method has been approved by the City. A bore profile shall be approved by the City Inspector prior to any boring.
- L. Unless otherwise approved, utilities shall cross under all water mains. Minimum separations shall be per COG Detail G-3300.

- M. All excavation and backfill in rights-of-ways and easements shall be per MAG Section 601 and compacted to a minimum density of 95%.
- N. Materials testing shall be per the City's Material Testing Frequency Guide. Testing information shall be maintained on-site and available upon request by the City inspector.
- O. Drainage shall be re-established to the satisfaction of the City prior to acceptance of work.
- P. At no time shall excavated materials be stockpiled in, or allowed to impede any street, gutter, drainage way or easement. Pollution prevention measures shall be implemented during construction and it is the permittee's and/or contractor's responsibility to insure the site is in compliance with all environmental regulations.
- Q. All disturbed areas shall be stabilized to their original condition within seven calendar days after utility work is complete. For larger projects, stabilization shall be done in phases rather than at the end of construction, and in no case shall any area remain unstabilized longer than 14 calendar days.
- R. The contractor shall obtain a Dust Control Permit from the Maricopa County Air Quality Department.
- S. Potable water is not available for any construction use. The unlawful removal of water from a fire hydrant or any other source is a violation of the municipal code, punishable by fine and/or imprisonment.
- T. Pothole utilities in asphalt by vacuum with a 1'x1' max. hole. Backfill with ½ sack CLSM per MAG 728. Pave back flush with grade and thickness of existing asphalt pavement or minimum thickness as directed by the City inspector.
- U. Steel plates shall be in accordance with MAG Std. Detail 211. All trenches under plates shall either be backfilled or shored to prevent collapse. Plates shall be flush with street surface on all streets posted 30 mph or greater. Plates located in streets shall not remain longer than 10 working days. Plates shall not be stored in the rights-of-ways.
- V. Type A and B pavement surface replacement match point location shall not be within a lane wheel path. When the match point falls in a wheel path, the match point shall be moved out of the wheel path area to within 1' of a lane stripe or within the center 2' of the travel lane. Type A and B pavement surface replacement matching shall not be located within 4' of an existing asphalt edge, curb or gutter. When this occurs, all asphalt surfacing shall be removed and replaced from the pavement edge, curb, or gutter to the new match point.
- W. All above-ground equipment, shall not encroach into the City right-of-way and/or within 1' of any sidewalk edge and 2' of any edge of pavement, located within any roadway clear zone, or restrict site visibility per COG Detail G-3232. No conduit shall be left exposed above grade and shall terminate in an approved box with lid, 1" above adjacent grade and not located within 1' of any sidewalk or pavement.
- X. All alley work shall be coordinated with the City's Sanitation Division.
- Y. A final inspection with the City inspector after work is completed is required to close out the permit.